

-1- (WPAT)

ACCESSION NUMBER
TITLE

75-21292W/13
Mercury-contg. zinc dust prodn. for e.g. pressed
electrodes - by mixing mercury into the melt and
atomising

DERWENT CLASSES

L03 M22 P53 X16

PATENT ASSIGNEE

(LEYB) METALLURGIE HOBOKEN OVERPELT

PRIORITY

73.09.19 73LU-068452

NUMBERS

11 patent(s) 10 country(s)

PUBLICATION DETAILS

DE2441356 A 75.03.20 * (7513)

BE-819926 A 75.03.17 (7514)

NL7411786 A 75.03.21 (7514)

NO7403119 A 75.04.14 (7520)

FR2244272 A 75.05.16 (7525)

JP50056536 A 75.05.17 (7528)

GB1473424 A 77.05.11 (7719)

IT1021318 B 78.01.30 (7819)

CA1037295 A 78.08.29 (7837)

US4104188 A 78.08.01 (7847)

DE2441356 C 84.04.05 (8415)

SECONDARY INT'L. CLASS.

B22D-023/08 B22F-009/00 C22C-001/02 C22C-018/00

H01M-004/42 H01M-013/08

ABSTRACT

DE2441356 A

Zinc dust is made by incorporating mercury in molten
(un)alloyed zinc, homogenizing the melt and
pulverizing e.g. by atomisation in a gas stream.
Process is used for the prepn. of pressed electrodes
for batteries. It is necessary to include mercury in
zinc battery electrodes to reduce the escape of H₂
(the loss of which lowers the battery capacity).
Amalgamation, which is an expensive and delicate
process, is avoided and a more homogeneous
distribution of mercury in the zinc dust is achieved
by incorporating (part of) the mercury into the
melt.